APPENDIX E.

THE TABARD MEMORIAL MEDAL.

(For conditions, *vide* pages 257 and 258 of the Calendar for 1926-27, Vol. I).

Modification in the Conditions.

Delete sub-clause (ii) of clause 2 on page 257 and number sub-clause (iii) as sub-clause (ii).

CONDITIONS AS MODIFIED.

THE TABARD MEMORIAL MEDAL.

1. This was founded by the friends and admirers of Rajasabhabhushana Rev. Father Antony Mary Tabard, M.A., M.B.E., M.R.A.S., late President of the Mythic Society, Bangalore, in commemoration of the signal honour bestowed on him by His Highness the Maharaja of Mysore on the 12th of October 1921.

2. The endowment which was accepted by the Senate at the meeting held on 25th November 1922 consists of Mysore Government 6½ per cent bonds of the face value of Rs. 1,600 yielding an interest of Rs. 100 annually. The interest shall be utilised for the following purpose:—

A gold medal of the value of Rs. 100 to be called "The Tabard Memorial Medal" shall be awarded to any person who writes the best essay on a subject connected with the objects of the Mythic Society, *viz.*, "the study of the sciences of Archæology, Ethnology, History, Religions and allied subjects, more particularly in Mysore and Southern India and stimulating research in the foregoing subjects". The subject shall be selected by the University Council and annouced at least one year before the date of the convocation at which it will be awarded, competition being open to graduates of not more than five years' standing of any Indian University.

Failing such a candidate, the amount shall merge in the fund.

3. Each medal shall bear the inscription "Rajasabhabhushana A. M. Tabard, M.B.E., Gold Metal" on its obverse and such inscription as the University Council shall deem fit on the reverse.

4. The rules relating to this foundation may be revised, if necessary, by the University Council in consultation with the Committee of the Mythic Society for the time being.

The following are the subsidiary rules framed for the award of the medal:—

1. The essay should be forwarded to the Registrar, Mysore University, Mysore, so as to reach him on or before the 30th June of the year in which the award is made.

2. Each candidate for the essay should state generally in an introductory note and specifically in foot-notes, the extent to which he has relied upon different sources of information and the portion which he claims as his original work.

3. The essay should have a motto instead of the writer's name and shall be accompanied by a sealed cover containing the name of the candidate, the year in which he passed the highest University Examinations, name of University, his post office address and a declaration that the essay sent by him is his own *bona-fide* composition.

4. The essay must be the result of the personal investigations of the author and must contain clear evidence of independent and original research. Essays consisting only of criticisms, compilations or matter discoverable in or deducible from the writings of others will be ineligible for the prize, unless accompanied by the result of the author's independent research.

5. Each candidate must forward two copies of his essay together with a statement as to when and where the work was carried out. If any portion of the work was done in collaboration or under guidance, the nature and extent of such collaboration or guidance must be clearly stated.

APPENDIX F.

THE D. APPU RAO SCHOLARSHIPS AND PRIZE.

These were founded by the Central Co-operative Bank Ltd., Bangalore, to commemorate the valuable services rendered by the late *Lokahithotsuka* Mr. D. Appu Rao to the Bank as its Honorary Secretary for a continuous period of ten years.

The endowment which was accepted by the Senate at the meeting held in March 1920 consists of a sum of Rs. 4,500 which is invested in 6½ per cent State Loan, 1940.

The conditions of the endowment are:—

1. Out of the interest accruing on the endowment, three scholarships of equal value named the "D. Appu Rao Scholarships" to be awarded—one in each of the three Commerce classes of the Maharaja's College—to the best among the poor students who are not awarded any other scholarships.

2. In the event of there being no such student in any one year, the amount may be awarded to such other student of any of these classes as may be recommended by the Principal.

3. If there be no commerce Course in the Mysore University or if the whole amount of interest is not utilised for scholarships in the Commerce classes, the whole or the residue,

as the case may be, of the interest on the Endowment of Rs. 4,500 shall be utilised for the grant of a "Single Scholarship" known as the "D. Appu Rao Scholarship" to a Mysore candidate for any branch of study, preferably medicine and for the award of an annual prize not exceeding Rs. 50 for an Essay on Co-operation or for an Extension Lecture on Co-operation.

4. The amount of the scholarship and the prize shall be fixed by the University Council from time to time according to the amount of interest that may accrue on the endowment fund.

5. The University Council shall have the power to alter the rules of award if need

APPENDIX G.

COURSE OF STUDIES AND SCHEME OF EXAMINATIONS FOR THE B. E. DEGREE TOGETHER WITH AMENDMENTS TO THE ORDINANCES CONSEQUENT ON THE REVISION OF THE COURSES, AS APPROVED BY THE FACULTY OF ENGINEERING AND TECHNOLOGY AND THE BOARD OF STUDIES IN ENGINEERING.

COURSE OF STUDIES FOR THE B. E. DEGREE EXAMINATION.

FIRST YEAR.

COMMON COURSE.

1	Building Materials and Construction	2 hours a week
2	Freehand, Model and Perspective Drawing	4 „
3	Surveying—Theory 1 / Practice 3	4 „
4	Workshop Theory and Elementary Mechanical Engineering and Metallurgy	2 „
5	Workshop—Practice	6 „
6	Practical Solid Geometry and Geometrical Drawing ...	3 „
7	Engineering Physics—Theory 1 / Practice 2	3 „
8	Engineering Chemistry—Theory 2 / Practice 2	4 „
9	Mathematics (Algebra, Trigonometry, Mensuration, Analytical Geometry and Elements of Differential and Integral Calculus)	4 „
10	Economics	1 „
	Total ...	33 hours

SECOND YEAR.

(i) MECHANICAL.

1	Mathematics—(Differential and Integral Calculus and Applied Mathematics)	4 hours a week
2	Applied Mechanics	2 „
3	Graphic Statics and Testing Laboratory	3 „
4	Hydraulics	2 „
5	Building Constrction and Architecture (Principles of design) ...	2 „
6	Heat Engines	1 hour „
7	Theory and Design of Machines	2 hours „
8	Elementary Electrical Engineering	1 hour „
9	Machine Drawing	2 hours „
10	Building Drawing and Estimating	3 „
11	Surveying—Theory 1 / Practice 3	4 „
12	Workshop and Workshop Theory	6 „
	Total ...	32 „

(ii) ELECTRICAL.

1	Mathematics—(Differential and Integral Calculus and Applied Mathematics)	4 hours a week
2	Applied Mechanics	2 „
3	Graphic Statics and Testing Laboratory	3 „
4	Hydraulics	2 „
5	Building Construction and Architecture (Principles of design) ...	2 „
6	Mechanical Engineering	2 „
7	Electrical Technology	2 „
8	Building, Drawing and Estimating	3 „

9	Surveying—Theory 1 Practice 3	... ...	4 hours a week
10	Machine Drawing	...	2 „
11	Workshop Practice and Theory ..	...	6 „
		Total	... 32 „

(iii) CIVIL.

1	Mathematics—Differential and Integral Calculus and Applied Mathematics)	..	4 hours a week
2	Applied Mechanics	...	2 „
3	Graphic Statics and Testing Laboratory	...	3 „
4	Hydraulics	..	2 „
5	Building Construction and Architecture (Principles of design)	...	2 „
6	Elementary Mechanical Engineering ...	...	2 „
7	Elementary Electrical Engineering ...	..	2 „
8	Building Construction ...	...	2 „
9	Building Drawing and Estimating ...	...	3 „
10	Surveying—Theory 1 Practice 3	..	4 „
11	Machine Drawing	..	2 „
12	Workshop Practice and Theory ...	..	4 „
		Total	... 32 „

THIRD YEAR.

(i) MECHANICAL.

1	Mathematics—(Differential and Integral Calculus and Applied Mathematics	..	4 hours a week
2	Applied Mechanics	..	2 „
3	Graphic Statics and Testing Laboratory	..	3 „
4	Hydraulics	...	1 hour „
5	Architecture (History)	...	1 „
6	Theory of Machines and Machine Design	...	2 hours „
7	Electrical Engineering	..	2 „
8	Fuel and Internal Combustion Engines..	..	2 „
9	Machine Drawing	..	5 „
10	Workshop Practice	..	6 „
11	Hydraulic Machinery	..	1 hour „
12	Surveying	...	2 hours „
13	Building Drawing and Estimating ...	..	2 „
		Total	... 33 „

(ii) ELECTRICAL.

1	Mathematics—(Differential and Integral Calculus and Applied Mathematics)	..	4 hours a week
2	Applied Mechanics	..	2 „
3	Graphic Statics and Testing Laboratory	...	3 „
4	Hydraulics	...	1 hour „
5	Architecture (History)	...	1 „
6	Heat Engines	...	2 hours „
7	Hydraulic Machinery	...	2 „
8	Drawing—Electrical 2 Mechanical 2	...	4 „
9	Electrical Engineering	...	2 „
10	Electrical Design	..	2 „
11	Electrical Laboratory	..	2 „
12	Workshop	...	4 „
13	Surveying	...	2 „
14	Building Drawing and Estimating ...	...	2 „
		Total	... 33 „

(iii) CIVIL.

1	Mathematics—(Differential and Integral Calculus and Applied Mathematics)	4	hours a week
2	Applied Mechanics	2	„
3	Graphic Statics and Testing Laboratory	3	„
4	Hydraulics	1	hour „
5	Architecture (History)	1	„
6	Elementary Mechanical Engineering (including Hydraulic Appliances)	2	hours „
7	Elementary Electrical Engineering	1	hour „
8	Workshop and Laboratory	5	hours „
9	Water supply and Sanitary Engineering	2	„
	Do Drawing	2	„
10	Irrigation	2	„
11	Building Construction	2	„
12	Surveying—Theory 1 / Practice 3	4	„
13	Building Drawing and Estimating	2	„
	Total	33	„

FOURTH YEAR.

(i) MECHANICAL.

1	Structural Design	2	hours a week
2	Electrical Engineering	1	hour „
3	Machine Design	2	hours „
4	Heat Engines	2	„
5	Estimating, Specification and Engineering Economics	2	„
6	Power Plant Engineering	2	„
7	Hydraulic Engineering	2	„
8	Drawing	6	„
9	Workshop and Laboratory	13	„
	Total	32	„

(ii) ELECTRICAL.

1	Structural Design	2	hours a week
2	Mechanical Engineering	1	hour „
3	Electrical Design	2	hours. „
4	Switch Gear, Generation and Control	2	„
5	Electrical Technology	2	„
6	Estimating, Specification and Engineering Economics	2	„
7	Drawing	6	„
8	Workshop	3	„
9	Electrical Laboratory	12	„
	Total	32	„

(iii) CIVIL.

1	Irrigation	2	hours a week
	Do Drawing	3	„
2	Bridges	2	„
3	Structural Design (including reinforced concrete, masonry and steel structures)	2	„
	Structural Drawing	2	„
4	Architectural Design and Construction	1	hour „
	Do Building Drawing	2	hours „
5	Roads, Railways, Tunnels and Harbours	4	„
6	Surveying—Theory 1 / Practice 3	4	„
7	Survey Drawing	3	„
8	Estimating, Specification and Engineering Economics	2	„
9	Testing Laboratory	3	„
	Total	30	„

SCHEME OF EXAMINATIONS FOR THE B. E. DEGREE.

FIRST EXAMINATION IN ENGINEERING.

Serial No.	Subject	Number of papers	Hours for each paper	Marks for Written Examination	Oral and Practical	Marks for records of class work	Total	Remarks
	Group I.							
1	Mathematics I.—Algebra, Trigonometry, and Mensuration.	1	3	75	...	40		
2	Mathematics II.—Analytical Geometry and Calculus.	1	3	75	...			
	Total ...	...	...	150	...	40	190	
	Group II.							
3	Engineering Physics ...	1	2	75	...	45		
4	Engineering Chemistry ...	1	2	75	...	45		
5	Economics	1	2	50	...	10		
	Total ...	...	...	200	...	100	300	
	Group III.							
6	Building Materials and Construction.	1	3	150	...	30		
7	Elementary Mechanical Engineering Workshop Theory and Metallurgy.	1	3	150	...	30		
8	Freehand, Model and Geometrical Drawing.	1	4	150	...	100		
9	Surveying—							
	Theory	1	3	150	...	...		
	Practice ...	...	...	...	100	75		
10	Workshop Practice ...	...	...	...	100	75		
	Total ...	...	...	600	200	310	1,110	
	Grand Total ...	9 ... 2	...	950	200	450	1,600	

SECOND EXAMINATION IN ENGINEERING.

Serial No.	Subjects	Number of papers	Hours for each paper	Marks for Written Examination	Oral and Practical	Marks for records of class work	Total	Remarks
	CIVIL.							
	Group I.							
1	Mathematics I— Differential and Integral Calculus.	1	3	75	...	25		
2	Mathematics II— Applied	1	3	75	..			
3	Applied Mechanics ...	1	4	125	...	25		
4	Graphic Statics ...	...	...	...	...	100		
5	Hydraulics	1	3	75	...	25		
	Total ...	...	...	350	...	175	525	
	Group II.							
6	Mechanical Engineering ...	1	3	100	...	50		
7	Elementary Electrical Engineering.	1	2	75	...	25		
8	Workshop and Laboratory...	...	...	...	75	75		
	Total ..	...	...	175	75	150	400	
	Group III.							
9	Building Construction and Principles of Architecture.	1	3	100	...	100		
10	Building Drawing ...	1	3	75	...			
11	Wates rupply and Sanitary Engineering.	1	3	100	...	50		
12	Surveying	1	3	100	75	75		
	Total ...	...	...	375	75	225	675	
	Grand Total ...	....	...	900	150	550	1,600	
	MECHANICAL.							
	Group I.							
1	Mathematics I— Differential and Integral Calculus.	1	3	75	...	25		
2	Mathematics II— Applied	1	3	75	...			
3	Applied Mechanics ...	1	4	125	...	25		
4	Graphic Statics ...	...	...	...	..	100		
5	Hydraulics	1	3	75	...	25		
	Total ...	...	..	350	...	175	525	

SECOND EXAMINATION IN ENGINEERING.—*concld.*

Serial No.	Subjects	Number of papers	Hours for each paper	Marks for Written Examination	Oral and Practical	Marks for records of class work	Total	Remarks
	MECHANICAL.—*contd.*							
	Group II.							
6	Building Construction and Principles of Architectural Design.	1	3	100	.	100		
7	Electrical Engineering ...	1	3	100	...	25		
8	Surveying	...	...	...	50	50		
	Total ...	...	...	200	50	175	425	
	Group III.							
9	Theory and Design of Machines.	1	3	100	...	50		
10	Heat Engines ...	1	3	100	...	25		
11	Workshop Theory ...	1	3	75	...	25		
12	Machine Drawing ...	1	4	75	..	50		
13	Workshop and Laboratory	...	...	..	100	50		
	Total ...	...	...	350	100	200	650	
	Grand Total ...	...	...	900	150	550	1,600	
	ELECTRICAL.							
	Group I.							
1	Mathematics I—Differential and Integral Calculus.	1	3	75	...	25		
2	Mathematics II—Applied ...	1	3	75	...			
3	Applied Mechanics ...	1	4	125	...	25		
4	Graphic Statics ...	...	...	...	...	100		
5	Hydraulics ...	1	3	75	...	25		
	Total ...	...	...	350	...	175	525	
	Group II.							
6	Building Construction and Principles of Architecture.	1	3	100	...	100		
7	Mechanical Engineering ...	1	3	100	...	25		
8	Surveying	...	...	...	50	50		
9	Workshop and Laboratory	...	..	...	100	50		
	Total ...	...	...	200	150	225	575	
	Group III.							
10	Electrical Technology ...	1	3	75	...	25		
11	Hydraulic Machinery ...	1	3	100	...	25		
12	Direct Current Machines and Meters.	1	3	100	...	50		
13	Mechanical and Electrical Drawing.	1	4	75	...	50		
	Total ...	...	...	350	...	150	500	
	Grand Total ...	...	...	900	150	550	1,600	

Note.—Out of the marks assigned for class records 30 per cent to be allotted to second year class records, 30 per cent to second year examination and 40 per cent to third year class record.

FINAL EXAMINATION IN ENGINEERING.

Serial No.	Subjects	Number of papers	Hours for each paper	Marks for Written Examination	Oral and Practical	Marks for records of class work	Total	Remarks
	CIVIL ENGINEERING.							
	Group I.							
1	Irrigation	1	3	125	...	50		
2	Architecture (Design and Construction).	...	..	...	...	50		
3	Roads and Bridges ...	1	2	75	...	25		
4	Railways, Tunnels, and Harbours.	1	2	75	...	25		
5	Drawing (Railways, Bridges, etc.)	1	4	125	...	50		
	Total ...	...	...	400	...	200	600	
	Group II.							
6	Structural Design ...	1	3	100	...	50		
7	Drawings (Structural including stability diagrams).	1	4	125	...	75		
8	Laboratory (testing of materials.)	...	...	...	100	75		
	Total ...	...	...	225	100	200	525	
	Group III.							
9	Estimating Specification and Engineering Economics.	1	4	125	...	50		
10	Surveying—							
	Theory	1	3	125	...	..		
	Practice (Project work) ...	...	...	...	75	100		
	Total ...	...	...	250	75	150	475	
	Grand Total ...	...	...	875	175	550	1,600	
	MECHANICAL ENGINEERING							
	Group I.							
1	Heat Engines ...	1	3	100	...	30		
2	Hydraulic Engineering ...	1	3	100	...	30		
3	Power Plant Engineering ...	1	3	100	...	30		
4	Mechanical Laboratory ...	...	...	...	100	75		
	Total ...	...	...	300	100	165	565	
	Group II.							
5	Machine Design ...	1	3	100	...	30		
6	Estimating Specification and Engineering Economics.	1	3	100	..	30		

FINAL EXAMINATION IN ENGINEERING—*concld.*

Serial No.	Subjects	Number of papers	Hours for each paper	Marks for Written Examination	Oral and Practical	Marks for records of class work	Total	Remarks
	MECHANICAL ENGINEERING.—*concld.*							
7	Drawing	1	4	100	...	75		
8	Workshop	...	...	...	150	75		
	Total ...	...	..	300	150	210	660	
	Group III.							
9	Structural Design ...	1	3	100	...	50		
10	Electrical Engineering ...	1	3	75	...	25		
11	Electrical Laboratory ...	...	...	..	75	50		
	Total ...	..	...	175	75	125	375	
	Grand Total ...	...	....	775	325	500	1,600	
	ELECTRICAL.							
	Group I.							
1	Electrical—Engineering I ...	1	3	100	...	30		
2	Do II ...	1	3	100	...	30		
3	Generation, Transmission and Distribution.	1	3	100	...	30		
4	Electrical Laboratory ...	...	...	...	150	75		
	Total ...	..	...	300	150	165	615	
	Group II.							
5	Theory and Design of Electric Machines.	1	3	100	...	30		
6	Estimating, Specification and Engineering Economics.	1	3	100	...	30		
7	Electrical Drawing ...	1	4	100	..	75		
	Total ...	..	...	300	...	135	435	
	Group III.							
8	Structural Design ...	1	3	100	...	50		
9	Mechanical Engineering ...	1	3	75	...	25		
10	Workshop	...	...	...	100	75		
11	Mechanical Laboratory ...	...	...	...	75	50		
	Total ...	...	...	175	175	200	550	
	Grand Total ...	...	...	775	325	500	1,600	